

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

9

4

Complete If Known

Application Number	09/751,877
Filing Date	December 28, 2000
First Named Inventor	Frances YEN, et al.
Group Art Unit	1623
Examiner Name	Unassigned
Attorney Docket Number	G-089IIS03REG

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴			
A	WO		9315198	A1	Rhone-Poulenc Rorer S.A.	08/05/1993
B	WO		0003013	A2	Amsterdam Molecular Therapeutics	01/20/2000
C	WO		98 45437	A	Genetics Institute	10/15/1998
D	WO		98 31818	A	Human Genome Sciences Inc.	07/23/1998
E	DE		198 16 395	A	metaGen Gesellschaft fur Genom.	10/07/1999
F	EP		0 976 824	A1	Amsterdam Molecular Thera.	02/02/2000
G	WO		01/21658	A1	Human Genome Sciences, Inc.	03/29/2001

Examiner Signature		Date Considered	10/19/03
-----------------------	---	--------------------	----------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED

Please type a plus sign (+) inside this box →

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

4

Complete If Known

Application Number	09/751,877
Filing Date	December 28, 2000
First Named Inventor	Frances YEN, et al.
Group Art Unit	1623
Examiner Name	Unassigned
Attorney Docket Number	G-089US03REG

RECEIVED
TEC-CENTER 160/2200
MAR 26 2003

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	H	Sheikh, T.H., et al (1999) EMBL database XP002162303; ac: AC007707; Homo sapiens chromosome 11 clone 442e11 from RPCI11 Library map 11q23, complete sequence (Abstract)	
	I	Lohse, P., et al., "GENETIC POLYMORPHISM OF HUMAN PLASMA APOLIPOPROTEIN A-IV IS DUE TO NUCLEOTIDE SUBSTITUTIONS IN THE APOLIPOPROTEIN A-IV GENE", J Biol Chem 1990 Jun 15;265(17):10061-4	
	J	Lohse, P., et al., "THREE GENETIC VARIANTS OF HUMAN PLASMA APOLIPOPROTEIN A-IV", J Biol Chem 266: 13513-13518 (1991)	
	K	Norman, R.A., et al., "EMPIRICALLY DETERMINED POWER CALCULATIONS FOR SINGLE LOCUS ALLELIC ASSOCIATION STUDIES", (2000) Am. J. Hum. Gen. 67(4):320 (Abstract)	
	L	Osada, J. et al (1998) EMBL database XP002162305. ac: AC048409; Apolipoprotein A-IV Precursor (APO-AIV) (Abstract)	
	M	Tenkanen, H., et al., "A NOVEL POLYMORPHISM OF APOLIPOPROTEIN A-IV IS THE RESULT OF AN ASPARAGINE TO SERINE SUBSTITUTION AT RESIDUE 127", Biochim Biophys Acta 1138: 27-33 (1992)	
	N	JACOBS, K.A., et al.; "A Genetic Selection for Isolating cDNAs Encoding Secreted Proteins", Gene, NL, Elsevier Biomedical Press, Amsterdam, Vol. 198, 1 October 1997, pgs. 289-296; ISSN: 0378-1119	
	O	JACOBS, K.A., et al.; "A Novel Method for Isolating Eukaryotic cDNA Clones Encoding Secreted Proteins", Journal of Cellular Biochemistry, Supplement; 10 March 1995; pg. 19; XP002027246	
	P	SHIROZU, M. et al.; "Characterization of Novel Secreted and Membrane Proteins Isolated by the Signal Sequence Trap Method", Genomics; U.S. Academic Press, San Diego; Vol. 37, No. 3, 1 November 1996, pgs. 273-280; XP002054773; ISSN: 0888-7543	
	Q	VAN DER VLIET, H.N., et al.; "Identification of the Human Analog of rat RAP3" (unpublished); "Direct Submission"; Experimental Hepatology, Academic Medical Center, Meibergdreef 9, Amsterdam 1105 AZ, Netherlands; 9 November 1999; Locus: AF202889	
	R	VAN DER VLIET, H.N., et al.; "Identification of the human analog rat RAP3" (unpublished) "Direct Submission"; Experimental Hepatology, Academic Medical Center, Meibergdreef 9, Amsterdam 1105 AZ, Netherlands; 9 November 1999; Locus: AF202890	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 4

Complete If Known

Application Number	09/751,877
Filing Date	December 28, 2000
First Named Inventor	Frances YEN, et al.
Group Art Unit	1623
Examiner Name	unassigned
Attorney Docket Number	G-089IIS03REG

+
MAR 26 2003

RECEIVED
TECH CENTER 1600/2900

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
S		VAN DER VLIET, H.N., et al.; "Apolipoprotein A-V: a novel apolipoprotein associated with an early phase of liver regeneration"; JBC Papers in Press, Publ. September 27, 2001 as Manuscript M106888200; The American Society for Biochemistry and Molecular Biology, Inc.
T		PENNACCHIO, L.A., et al.; "An Apolipoprotein Influencing Triglycerides in Humans and Mice Revealed by Comparative Sequencing"; SCIENCE, Vol. 294, 5 October 2001, pp. 169-173
U		HATTORI, et al., Database GENBANK, Accession No. AP001480, May 2000.
V		MARA, et al., Database GENBANK, Accession No., AI528320, March 1999.
W		WATERS, et al., Database GENBANK, Accession No. AF086808, October 1998.
X		NCBI Single Nucleotide Polymorphism, "A database of single nucleotide polymorphisms", www.ncbi.nlm.nih.gov/SNP/, March 1, 2001
Y		LEE, et al., "Irresistable force meets immovable object SNP mapping of complex diseases", Trans. in Genetics,
		http://news.bmn.com/hmsbeagle/118/notes/feature12, January 18, 2002.

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. G-89US03REG	APPLICATION NO. 09/751,877
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Frances YEN, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE December 28, 2000	GROUP 1623

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 96/34981	07/11/96	PCT				
	EP 625 572	11/23/94	JP				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Adams, et al., NATURE, "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence", Vol. 377 Supp., pp. 1-174, September 28, 1995
	Camindi, et al., GENOMICS, "High-Efficiency Full-Length cDNA Cloning by Biotinylated CAP Trapper", pp. 327-338 (1996)
	Hillier, et al., GENOME RESEARCH, "Generation and Analysis of 280,000 Human Expressed Sequence Tags", pp. 807-828 (1996)
	Kato, et al., GENE, "Construction of a Human Full-Length cDNA Bank", pp. 243-250 (1994)
	Nomura, et al., DNA RESEARCH, "Prediction of the Coding Sequences of Unidentified Human Genes. I. The Coding Sequences of 40 New Genes (KIAA0001-KIAA0040) Deduced by Analysis of Randomly Sampled cDNA Clones from Human Immature Myeloid Cell Line KG-1", Vol. 1, pp. 27-35 (1994)
	Gunnar von Heijne, NUCLEIC ACIDS RESEARCH, "A New Method for Predicting Signal Sequence Cleavage Sites", Vol. 14, Number 11 (1986)

S:\DOCS\DOH\DOH-4234.DOC
032100

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 608; DRAW LINE THROUGH CITATION IF NOT CONFORMED TO. DRAW LINE THROUGH THIS FORM AND ITS ATTACHMENT COMMUNICATION TO APPLICANT.

***EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.**